USER MANUAL

GOLDMUND MIMESIS 27.3
Analogue Preamplifier

Thank you for purchasing the Goldmund MIMESIS 27.3, Analogue Preamplifier.

Please take some time to read this manual. It may provide you with useful information to make your pleasure of listening to the MIMESIS 27.3 even higher.

INTRODUCTION
GOLDMUND MIMESIS 27.3 – ANALOGUE PREAMPLIFIER

Goldmund was founded in 1978 and has ever since been dedicated to the accurate reproduction of sound and image.

At Goldmund, we strive to lead in the creation, development and manufacture of the industry's most advanced technologies, including audio and video systems, home-networking and music distribution.

The guiding principle at Goldmund is to produce a precise sound with the least possible loss of quality through the different stages. Goldmund will never adopt a technology before it is sufficiently developed to satisfy the high quality standards we set. This is why Goldmund has often rejected mainstream technologies and developed its own.

W A R N I N G!

No connection or manipulation may be done before reading these instructions. Damage to the Analogue Preamplifier may result if the following instructions are not understood and applied.

This high quality analogue preamplifier possesses new technical features like ultra-high bandwidth and computer linking which are becoming necessary for an accurate transcription of today's best analogue messages in complete systems with video, computer and audio associated components.

Only a careful use can provide all the satisfaction you are expecting.

All handling must be performed according to the following instructions to avoid the preamplifier deterioration.

Nevertheless, if the instructions are perfectly carried out, you will notice that the use of the Goldmund Mimesis 27.3 is quite simple and convenient.

CONTENTS

1 SETTING UP THE MIMESIS 27.3

Please read very carefully the following instructions. This high-precision preamplifier will provide the best analog signal possible thanks to its unique circuitry.

For exacting technicians, musicians, and all amateurs who demand the very best in recording transcription, we strongly recommend the use of a top quality D/A converter or to get the D/A build-in option to decode the today's high definition digital signals.

The connections between the analogue sources and the preamplifier are also critical. Ultra low reflection cables are absolutely mandatory. Goldmund recommends using the special Goldmund Interconnect cables.

1.1. UNPACKING

You will find in the Goldmund Mimesis 27.3 box:
- The preamplifier
- The power cord
- The remote-control transmitter
- This manual

ATTENTION

Please keep the packaging in case you need to transport the MIMESIS 27.3 at a later date or if you have to send it for maintenance.

This packaging has been designed specifically to protect the MIMESIS 27.3 in transit. Use of alternative packaging is likely to result in damage, invalidating warranty cover.

1 SETTING UP THE MIMESIS 27.3

1.2. CHOICE OF THE PREAMPLIFIER LOCATION

The Goldmund Mimesis 27.3 preamplifier generates a significant amount of heat.
It is necessary to allow a proper cooling of the heat sinks. Avoid any location which is not properly ventilated and avoid putting any equipment that is sensitive to temperature on top.

1.3. LINE VOLTAGE ADJUSTMENT

A voltage selector is provided on the back plate of the preamplifier. Adjust it with a screwdriver if the line voltage provided is not appropriate.

ATTENTION: On the 220V position, the Goldmund Mimesis 27.3 preamplifier will function properly for main line voltage in between 200V and 240V. On the 110V position, the main line must deliver between 105 and 125V. If your main line is usually out of these tolerances, please consult your Goldmund dealer.

Please check the value of the main line fuse. This fuse is located on the power cord receptacle. The lid can be removed with a small screwdriver when the cord is removed.
Use a 500mA slow-blow fuse for 220V and 110V.

2 FIRST INSTALLATION AND CONNECTIONS

2.1. POWER CONNECTION

Connect the power cord to the back of the preamplifier and plug it into the nearest wall plug. Use only a 3 lugs grounded plug, for safety and noise reasons. To get the best sound of the preamplifier, avoid any multiple plugs or an extension cord.

If the preamplifier is the logical center of your system and you use a star grounding configuration, you may have to use the earth connection of the AC plug and lift the earth connection of the other equipment. In such a case, connect together the earth (yellow/green).

If you have to update the software, you will use the DB9 terminated cable provided with this option to connect the Mimesis 27.3 to a computer serial output and follow the instructions delivered with the software. This connector has to be left open in all the other situations.

2.2. SOURCES CONNECTION

Connect the interconnects between the preamp analog outputs and the power amp. You will plug the cables to the RCA female sockets noted outputs.
Connect the interconnects from the analogue source devices to the line inputs number 1 to 5. With the D/A option connect the lineal cables from the digital sources to the inputs number 6 to 8.

Note : a residual High Frequency noise may remain audible in some circumstances when an input is left open and is selected. This disturbance has no effect on the preamplifier but may be avoided easily by short-circuiting plugs applied to all the unused inputs.

Connect the tape machines to input 5 and to the Tape output RCA plugs.

3 FRONT AND BACK PANELS FUNCTIONS

- Power:
On the back panel of the Goldmund Mimesis 27.3 preamplifier the switch is used to power on the preamplifier. In regular use, this switch is left ON and the circuits of the preamplifier are left ON. The standby function of the remote control is only shorting the output to ground for safe removal of the cables to the power amplifier.

The preamp can be powered off by switching the switch to the OFF position. A special safety circuit switches the preamp to muting, to avoid any disturbance to reach the power amplifier and the speakers, even if the preamplifier is disconnected from the AC plug by accident.
However, to optimize the sound quality of the preamplifier and insure the best reliability, Goldmund recommends that the unit is left powered ON.

- Muting:
Muting is controlled from the remote control. It can be used to temporarily turn the volume down without touching the volume control. When returned to normal, the level of the preamplifier is returned to where it was when the muting was activated.

- Volume:
May be adjusted manually by turning the volume control or on the remote by VOLUME + or -.

- Selector:
Selects one of the (8 if D/A option is enabled, 5 if not) available input for listening, including the one tape inputs for monitoring. A step clockwise is selecting the next input; a step counterclockwise selects the previous input. A display on the front panel shows the number of the input selected. Selection may be also made on the remote by pressing the key corresponding to the input on the Analog section of the remote.

- Record:
Record is factory set. Tape in is always input 5. If input 5 is selected, tape out is disconnected. Otherwise, tape out is connected to the selected input. E.g. input 3 is selected, so tape out receive signal from input 3.

4 SOUND QUALITY OPTIMIZATION

- Warm-up sonic effect:

If the preamplifier has been left unpowered for a few days, the optimum sound quality is only reached after many hours. This is why Goldmund recommends leaving the MIMESIS 27.3 powered on.

5 CLEANING

The Goldmund Mimesis 27.3 preamplifier usually requires no maintenance.
To clean your Mimesis, use a soft and slightly wet cloth. Always turn the power off before cleaning your preamplifier.

6 TECHNICAL DATA

- **OUTPUT LEVEL**

- Nominal level: 2.25 V RMS.
- Maximum output level: 3.6 V RMS.
- Output stage output impedance: < 10 Ohms.
- Corrected output impedance: 75 Ohms.

- **FREQUENCY RESPONSE**

These values for any level to 3.6 V RMS.
- +/- 0.1 dB, 0 - 50 kHz.
- +/- 1 dB, 0 - 150 kHz.
- +/- 3 dB, 0 - 300 kHz.

- **INPUT SENSITIVITY**

- Nominal level: 2.25 V RMS.
- Saturation level: 3.6V RMS.
- Nominal input impedance: 50 kOhms.

- **GROUP DELAY**

- Propagation delay < 1 ms stable with frequency from DC to 100 kHz.

- **DISTORTION**

Figures valid for all levels from 0 to 25 V.
- Dynamic: TID < 0.003 % (- 80 dB).
- Static: THD < 0.003 % (- 80 dB).

6 TECHNICAL DATA

- **SPEED**

- Slew rate of the amplification stages: > 20 V/µs
- Rise time: < 700 ns.

- **CROSSTALK**

- Separation: > 90 dB between channels.

NOISE

- Signal-to noise ratio on line input : > 90 dB.
- Weighted ASA A > 100 dB.

- **OPERATING TEMPERATURE**

- Room temperature: -30 to +40 degrees Celsius (-22 to +104 degrees Fahrenheit).
- Internal temperature: +45 to +65 degrees Celsius (+113 to +149 degrees Fahrenheit).

- **POWER SUPPLY**

- Nominal line voltage: 117 or 234 V.
- Input voltage range: +/- 10 %.
- Maximum power consumption: 70 W.

- **GROUNDING**

- Separated ground and earth signal.
- Chassis connected to earth.

- **SAFETY FEATURES**

- Automatic switching to MUTING if the AC line drops or is interrupted.
- Automatic protection against tape loops.

- **FRONT PANEL CONTROLS**

- VOLUME control.
- SELECTOR input switch.

6 TECHNICAL DATA

- **REAR PANEL CONNECTORS AND CONTROLS**

- Power cord socket 3 lugs.
- Mains fuse (500mA slow-blow).
- Voltage selector 110/220 V.
- Earthing post (yellow-green).
- Input connectors RCA (right and left) for Tape and line inputs.
- Doubled Output connector RCA (right and left).
- Output connectors RCA (right and left) for Tape output.

- **SIZE AND WEIGHT**

- 44 cm (17.3") W x 38 cm (15") D x 10 cm (4") H.
- Weight: 8 Kg.

- **WARRANTY**

- 3 years parts and labor.